

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/011864

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K7/06 A61P17/14 A61K31/22 A61K31/357 C07D317/30  
C07D319/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 353 014 B1 (HELLBERG MARK R ET AL) 5 March 2002 (2002-03-05) cited in the application claims 1,14,17	1-8,11, 12
X	US 4 088 775 A (SKUBALLA WERNER ET AL) 9 May 1978 (1978-05-09) cited in the application claims 1,88	1-8,11, 12
X	EP 0 308 135 A (UENO SEIYAKU OYO KENKYUJO KK) 22 March 1989 (1989-03-22) page 13 - page 14; examples 8,9	11,12
X	US 3 962 218 A (VORBRUGGEN HELMUT ET AL) 8 June 1976 (1976-06-08) claims 1,11-22	11-13
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

6 January 2005

Date of mailing of the international search report

17/01/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 262 105 B1 (JOHNSTONE MURRAY A) 17 July 2001 (2001-07-17) column 6, line 35 - line 68; claim 1; example 3; table 1 -----	9,10

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International application No.  
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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  

Although claim 9 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/011864

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6353014	B1	05-03-2002	AU 5258698 A	03-06-1998
			WO 9820881 A1	22-05-1998
US 4088775	A	09-05-1978	DE 2434133 A1	22-01-1976
			AT 351183 B	10-07-1979
			AT 534175 A	15-12-1978
			AU 8305475 A	20-01-1977
			BE 831298 A1	12-01-1976
			CA 1105013 A1	14-07-1981
			CH 613949 A5	31-10-1979
			CS 190489 B2	31-05-1979
			DK 288375 A ,B,	13-01-1976
			ES 439322 A1	16-02-1977
			FR 2277577 A1	06-02-1976
			GB 1519861 A	02-08-1978
			HU 174848 B	28-03-1980
			IE 42748 B1	08-10-1980
			IL 47593 A	30-09-1979
			JP 1396071 C	24-08-1987
			JP 51125080 A	01-11-1976
			JP 62004390 B	30-01-1987
			NL 7508295 A ,B,	14-01-1976
			SE 431983 B	12-03-1984
			SE 7507918 A	13-01-1976
			ZA 7504459 A	30-06-1976
EP 0308135	A	22-03-1989	AT 72235 T	15-02-1992
			AT 82499 T	15-12-1992
			AT 108330 T	15-07-1994
			AU 600168 B2	02-08-1990
			AU 2231388 A	23-03-1989
			CA 1324129 C	09-11-1993
			CA 1328075 C	29-03-1994
			DE 3850676 D1	18-08-1994
			DE 3868127 D1	12-03-1992
			DE 3876050 D1	24-12-1992
			DE 3876050 T2	25-03-1993
			DE 10399038 I1	06-05-2004
			EP 0289349 A1	02-11-1988
			EP 0308135 A2	22-03-1989
			EP 0455264 A2	06-11-1991
			ES 2032016 T3	01-01-1993
			ES 2052735 T3	16-07-1994
			GB 2209939 A ,B	01-06-1989
			GR 3003749 T3	16-03-1993
			GR 3006319 T3	21-06-1993
			JP 2592204 B2	19-03-1997
			JP 6080571 A	22-03-1994
			JP 1151552 A	14-06-1989
			JP 1941635 C	23-06-1995
			JP 6067900 B	31-08-1994
			JP 1858208 C	27-07-1994
			JP 2000108 A	05-01-1990
			JP 5071567 B	07-10-1993
			KR 9306202 B1	08-07-1993
			KR 9300051 B1	06-01-1993
			NL 300135 I1	01-12-2003
			NZ 226197 A	25-02-1992

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/011864

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0308135	A		US 5001153 A	19-03-1991
			US 5591887 A	07-01-1997
			US 6420422 B1	16-07-2002
			US 5106869 A	21-04-1992
			US 5151444 A	29-09-1992
			US 5770759 A	23-06-1998
			US 5166178 A	24-11-1992
			US 5212200 A	18-05-1993
			US 5221763 A	22-06-1993
			ZA 8806871 A	30-05-1989
			ZA 8806872 A	26-07-1989
			ZA 8806909 A	30-05-1989
			OA 9028 A	31-03-1991
US 3962218	A	08-06-1976	DE 2328132 A1	02-01-1975
			BE 815742 A1	02-12-1974
			CA 1037035 A1	22-08-1978
			CH 605728 A5	13-10-1978
			CH 605734 A5	13-10-1978
			DD 112645 A5	20-04-1975
			DK 286174 A	13-01-1975
			FR 2283668 A1	02-04-1976
			GB 1474097 A	18-05-1977
			HU 173532 B	28-06-1979
			JP 50157337 A	19-12-1975
			MX 3906 E	14-09-1981
			NL 7407270 A	03-12-1974
			SE 415837 B	03-11-1980
			SE 7407101 A	02-12-1974
US 6262105	B1	17-07-2001	AT 266397 T	15-05-2004
			AU 750039 B2	11-07-2002
			AU 6270998 A	25-08-1998
			CA 2279967 A1	06-08-1998
			DE 69823852 D1	17-06-2004
			EP 1021179 A1	26-07-2000
			JP 2001511155 T	07-08-2001
			WO 9833497 A1	06-08-1998